## ATTACHMENT 6 - PROJECT PERFORMANCE MEASURES TABLE

| Project Performance Measures Table | | | | | | |
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| | **Project goals** | **Desired outcomes** | **Output indicators** | **Outcome indicators** | **Measurement tools and methods** | **Targets** |
| **(a)** | Capture up to 1,891 acre-feet of annual rainfall flows (100 year frequency storm) | Decrease downstream flooding | Levels and volume of water storage in new detention basins | Reduced flooding of downstream areas. Reduced storm water flows | Storage-Depth table together with depth measurement pole in basins. Detention Basin outflow recorder. | Reduce flows dowstream, Capture 100 year frequency storm. |
| **(b)** | Eliminate mandatory flood insurance for property owners in the 100-year flood plain | Elimination of flood insurance requirements for downstream residents | Water levels in basins during large scale storm events, storm water flows | Approval of FEMA floodplain maps | Completed LOMR Study | Removal of flood insurance requirements for approximately 479 residents |
| **(c)** | Provide adequate flood control protection for Drainage Area "Y", "W", & "BO" | Flood protection for approximately 1,110 acres of developed areas within the City. | Water levels in basins during 2 year frequency-storm events, storm water flows | Field verification of reduced flooding during storm events | Measurement pole in basins, flow pipe mounted in stormwater collectors | Noticeable decrease in flood complaints and damage |
| **(d)** | Provide drainage service to 69 acres that fomerly drained directly to Fancher Creek | Community standard drainage facilities for fomerly exempt areas | Managed stormwater runoff. | Reduction in localized flooding due to outdated flood control utilities | Field verification of redirected storm runoff to retention basin | Eliminate local flooding due to outdated flood control utilities |
| **(e)** | Improve Water Quality by redirecting 3 direct discharge locations away from Fancher Creek into Basin BO | Improved water quality in canal system | Reduction of direct discharges to Fancher Creek | Completed stormwater quality monitoring program | Water quality tests at retention basin | Reduce pollutants discharged into canal system |
| **(f)** | Provide 49 acre-feet of additional storage capacity in Basin BO | Increase in stormwater storage capacity and recharge capabilities | Calculated increase in capacity of basins | Storage volume records | Calculation of total detention from as-built topographic maps. | Excavate detention basins below design depth to provide 49 acre-feet of additonal storage |
| **(g)** | Recharge local groundwater with up to 740 additional acre-feet annually | Increased groundwater supply | Water levels in area wells and water elevation measurements in basin to compute volume recharged. | Increase in potable water supply from nearby wells | Supply of local groundwater reported by FID and SCADA sensors for basin water elevation | Calculation of ground water supply increase from water level decrease in basins corrected for evapotransportation. |
| **(h)** | Provide 65 acre-feet of non-potable water for irrigation and other outdoor uses | Reduced use of groundwater for irrigation purposes | Reduction in imported water used for irrigation purposes | Sufficient recharge water supply to eliminate all imported water use | Water usage reporting | Irrigate with non-potable water with minimal use of imported water |
| **(i)** | Facilitate development and provide permanent jobs | Decreased unemployment and poverty rate | Ongoing economic impact study results | Decreased unemployment for southeast Fresno County | Monthly EDD jobs report | Increase in employment in census tracts surrounding Project |